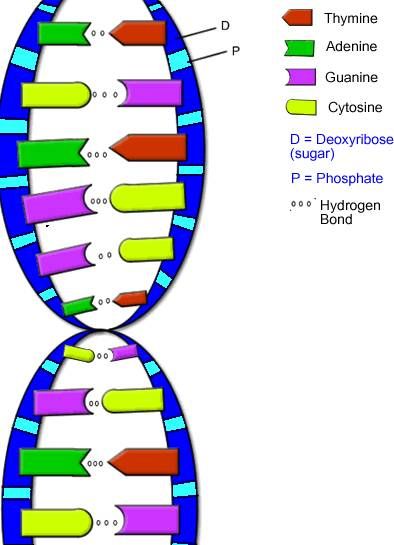
**Ch 24 DNA and Replication**

1. DNA (deoxyribonucleic acid) –
   1. About
      1. Material that carries the information about an organism from one generation to another
      2. Found in the chromatin in the nucleus
      3. Looks like a twisted ladder
      4. Made up of nucelotides
         1. Nucleotides
            1. Made of 3 parts

5- carbon sugar = deoxyribose

Phosphate group (sides of ladder)

Nitrogen base (rungs of ladder)

4 kinds

Adenine

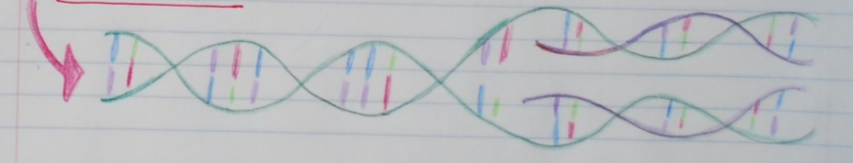
Only pairs with thymine

Thymine

Guanine

Only pairs with cytosine

Cytosine

1. DNA Replication –
   1. Process
      1. a DNA molecule unzips between nucleotides
      2. new bases pair up with unzipped bases